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DATE: Monday, March 06, 2006

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| <input type="checkbox"/> | L17 | L16 not l5 | 8 |
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| <input type="checkbox"/> | L12 | L11 and (protein kinase\$) | 67 |
| <input type="checkbox"/> | L11 | l10 or l6 | 116 |
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| <input type="checkbox"/> | L1 | mclk | 1459 |

END OF SEARCH HISTORY

L3 ANSWER 1 OF 17 MEDLINE on STN
 TI The alternative splicing of tau exon 10 and its regulatory proteins
 CLK2 and TRA2-BETA1 changes in sporadic Alzheimer's disease.
 SO Journal of neurochemistry, (2006 Feb) Vol. 96, No. 3, pp. 635-44.
 Electronic Publication: 2005-12-20.
 Journal code: 2985190R. ISSN: 0022-3042.

L3 ANSWER 2 OF 17 MEDLINE on STN
 TI Protein kinase clk/STY is differentially regulated during erythroleukemia
 cell differentiation: a bias toward the skipped splice variant
 characterizes postcommitment stages.
 SO Cell research, (2005 Jul) Vol. 15, No. 7, pp. 495-503.
 Journal code: 9425763. ISSN: 1001-0602.

L3 ANSWER 3 OF 17 MEDLINE on STN
 TI Human tra2-beta1 autoregulates its protein concentration by influencing
 alternative splicing of its pre-mRNA.
 SO Human molecular genetics, (2004 Mar 1) Vol. 13, No. 5, pp. 509-24.
 Electronic Publication: 2004-01-06.
 Journal code: 9208958. ISSN: 0964-6906.

L3 ANSWER 4 OF 17 MEDLINE on STN
 TI Human CLK2 links cell cycle progression, apoptosis, and telomere
 length regulation.
 SO The Journal of biological chemistry, (2003 Jun 13) Vol. 278, No. 24, pp.
 21678-84. Electronic Publication: 2003-03-31..
 Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 5 OF 17 MEDLINE on STN
 TI Latent herpes simplex virus infection of sensory neurons alters neuronal
 gene expression.
 SO Journal of virology, (2003 Sep) Vol. 77, No. 17, pp. 9533-41.
 Journal code: 0113724. ISSN: 0022-538X.

L3 ANSWER 6 OF 17 MEDLINE on STN
 TI Beacon interacts with cdc2/cdc28-like kinases.
 SO Biochemical and biophysical research communications, (2003 Apr 25) Vol.
 304, No. 1, pp. 125-9.
 Journal code: 0372516. ISSN: 0006-291X.

L3 ANSWER 7 OF 17 MEDLINE on STN
 TI Phosphorylation by LAMMER protein kinases: determination of a consensus
 site, identification of in vitro substrates, and implications for
 substrate preferences.
 SO Biochemistry, (2002 Feb 12) Vol. 41, No. 6, pp. 2055-66.
 Journal code: 0370623. ISSN: 0006-2960.

L3 ANSWER 8 OF 17 MEDLINE on STN
 TI Functional hemizygosity of PAFAH1B3 due to a PAFAH1B3-CLK2
 fusion gene in a female with mental retardation, ataxia and atrophy of the
 brain.
 SO Human molecular genetics, (2001 Apr 1) Vol. 10, No. 8, pp. 797-806.
 Journal code: 9208958. ISSN: 0964-6906.

L3 ANSWER 9 OF 17 MEDLINE on STN
 TI Regulation of alternative splicing of human tau exon 10 by phosphorylation
 of splicing factors.
 SO Molecular and cellular neurosciences, (2001 Jul) Vol. 18, No. 1, pp.
 80-90.
 Journal code: 9100095. ISSN: 1044-7431.

L3 ANSWER 10 OF 17 MEDLINE on STN
 TI MUC1 dysregulation as the consequence of a t(1;14)(q21;q32) translocation

in an extranodal lymphoma.
SO Blood, (2000 May 1) Vol. 95, No. 9, pp. 2930-6.
Journal code: 7603509. ISSN: 0006-4971.

L3 ANSWER 11 OF 17 MEDLINE on STN
TI The CLK family kinases, CLK1 and CLK2, phosphorylate and
activate the tyrosine phosphatase, PTP-1B.
SO The Journal of biological chemistry, (1999 Sep 17) Vol. 274, No. 38, pp.
26697-704.
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 12 OF 17 MEDLINE on STN
TI The cellular localization of the murine serine/arginine-rich protein
kinase CLK2 is regulated by serine 141 autophosphorylation.
SO The Journal of biological chemistry, (1998 Dec 18) Vol. 273, No. 51, pp.
34341-8.
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 13 OF 17 MEDLINE on STN
TI Chromosomal mapping of three human LAMMER protein-kinase-encoding genes.
SO Human genetics, (1998 Oct) Vol. 103, No. 4, pp. 523-4.
Journal code: 7613873. ISSN: 0340-6717.

L3 ANSWER 14 OF 17 MEDLINE on STN
TI The Clk2 and Clk3 dual-specificity protein kinases regulate the
intranuclear distribution of SR proteins and influence pre-mRNA splicing.
SO Experimental cell research, (1998 Jun 15) Vol. 241, No. 2, pp. 300-8.
Journal code: 0373226. ISSN: 0014-4827.

L3 ANSWER 15 OF 17 MEDLINE on STN
TI Identification of three additional genes contiguous to the
glucocerebrosidase locus on chromosome 1q21: implications for Gaucher
disease.
SO Genome research, (1997 Oct) Vol. 7, No. 10, pp. 1020-6.
Journal code: 9518021. ISSN: 1088-9051.

L3 ANSWER 16 OF 17 MEDLINE on STN
TI Activity and autophosphorylation of LAMMER protein kinases.
SO The Journal of biological chemistry, (1996 Nov 1) Vol. 271, No. 44, pp.
27299-303.
Journal code: 2985121R. ISSN: 0021-9258.

L3 ANSWER 17 OF 17 MEDLINE on STN
TI Characterization by cDNA cloning of two new human protein kinases.
Evidence by sequence comparison of a new family of mammalian protein
kinases.
SO Journal of molecular biology, (1994 Dec 16) Vol. 244, No. 5, pp. 665-72.
Journal code: 2985088R. ISSN: 0022-2836.

=> d his

(FILE 'HOME' ENTERED AT 13:09:14 ON 06 MAR 2006)

FILE 'MEDLINE' ENTERED AT 13:09:24 ON 06 MAR 2006

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L2 17 S L1 OR ((MOUSE CLK2) OR (MURINE CLK2))
L3 17 DUP REM L2 (0 DUPLICATES REMOVED)

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Range: from to ☐ Reverse complemented strand Features: ☐ SNP ☒ CDD ☒ MGC ☒ HPR

☐ 1: [L29218](#). Reports Homo sapiens clk2...[gi:632967]

[Links](#)

[Features](#) [Sequence](#)

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 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1973)
 AUTHORS Hanes,J., von der Kammer,H., Klaudiny,J. and Scheit,K.H.
 TITLE Characterization by cDNA cloning of two new human protein kinases.
 Evidence by sequence comparison of a new family of mammalian
 protein kinases
 JOURNAL J. Mol. Biol. 244 (5), 665-672 (1994)
 PUBMED [7990150](#)
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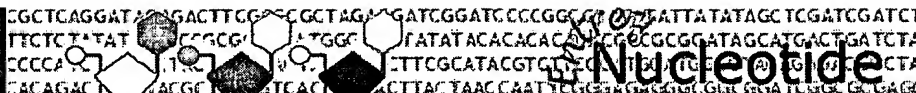
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Features: ☐ SNP ☒ CDD ☒ MGC ☒ HPRJ

Links

| Features | Sequence |
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VERSION    AF033564.1  GI:2645851
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SOURCE     Mus musculus (house mouse)
  ORGANISM Mus musculus

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REFERENCE      1 (bases 1 to 1538)
AUTHORS        Nayler,O., Stamm,S. and Ullrich,A.
TITLE          Characterization and comparison of four serine- and arginine-rich
                (SR) protein kinases
JOURNAL        Biochem. J. 326 (Pt 3), 693-700 (1997)
PUBMED         9307018
REFERENCE      2 (bases 1 to 1538)
AUTHORS        Nayler,O. and Ullrich,A.
TITLE          Direct Submission
JOURNAL        Submitted (10-NOV-1997) Molecular Biology, Max-Planck-Institut for
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